OIPE
NOV 12 2004
PATENT & TRADEMARK OFFICE
JC22

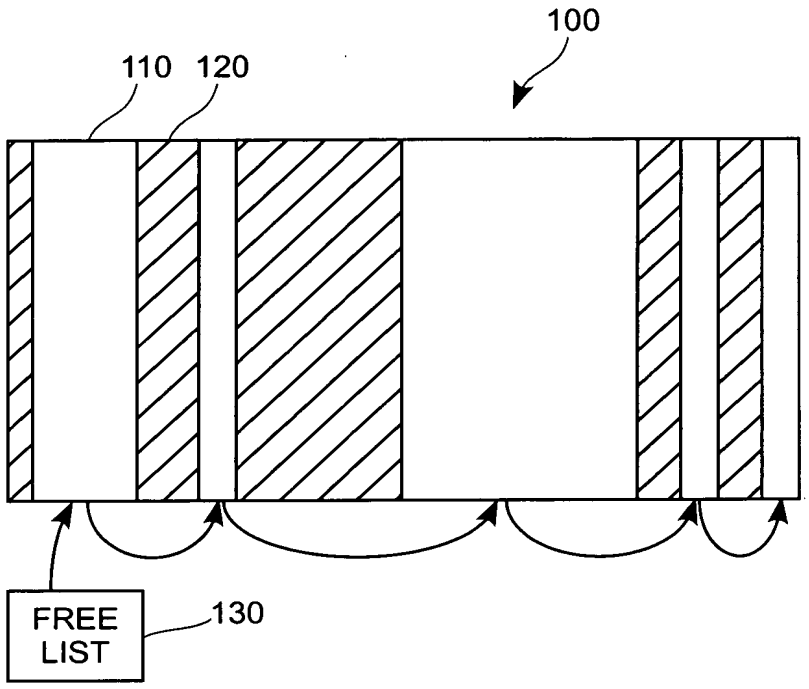

FIG. 1
(Prior Art)

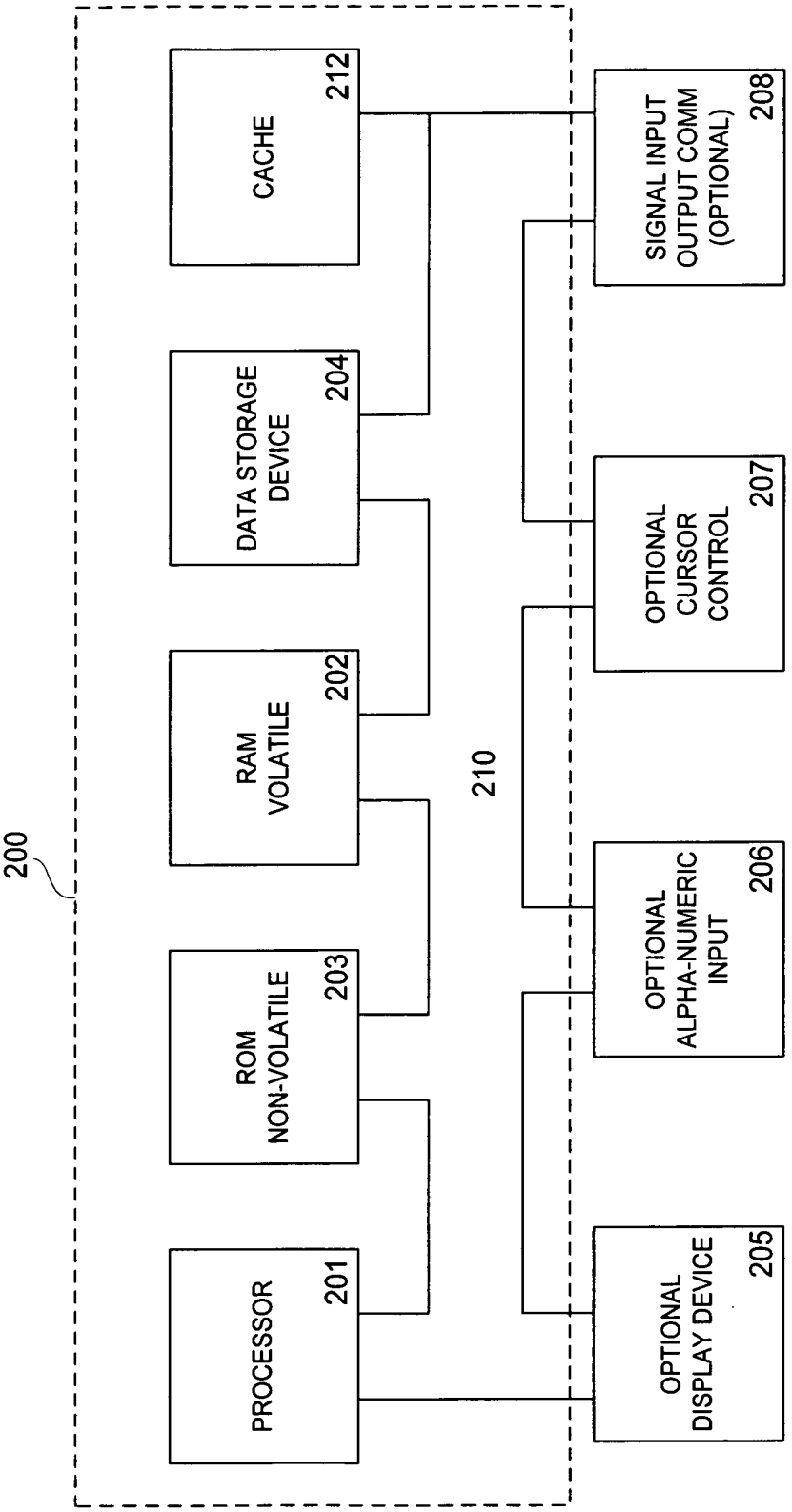
200
PROCESSOR
201
ROM
NON-VOLATILE
203
RAM
VOLATILE
202
DATA STORAGE
DEVICE
204
CACHE
212
210
OPTIONAL
DISPLAY DEVICE
205
OPTIONAL
ALPHA-NUMERIC
INPUT
206
OPTIONAL
CURSOR
CONTROL
207
SIGNAL INPUT
OUTPUT COMM
(OPTIONAL)
208

FIG. 2

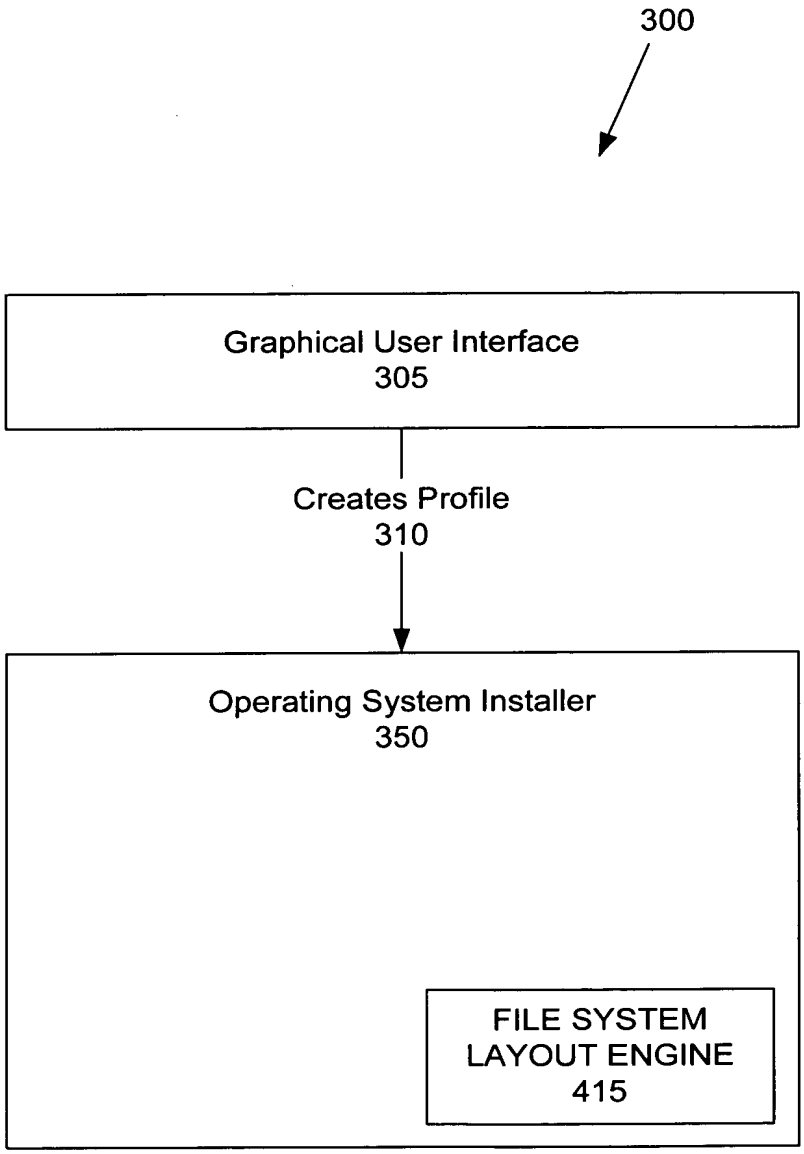
300
Graphical User Interface
305
Creates Profile
310
Operating System Installer
350
FILE SYSTEM
LAYOUT ENGINE
415

FIG. 3

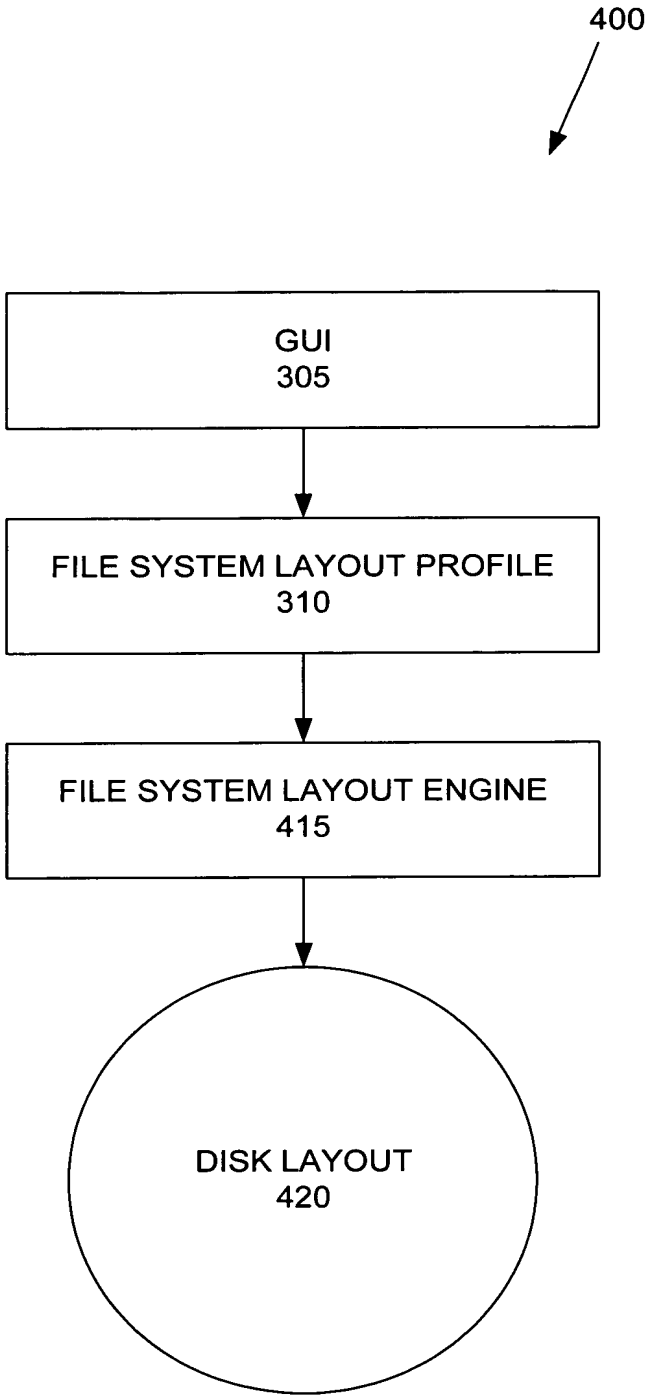
400
GUI
305
FILE SYSTEM LAYOUT PROFILE
310
FILE SYSTEM LAYOUT ENGINE
415
DISK LAYOUT
420

FIG. 4

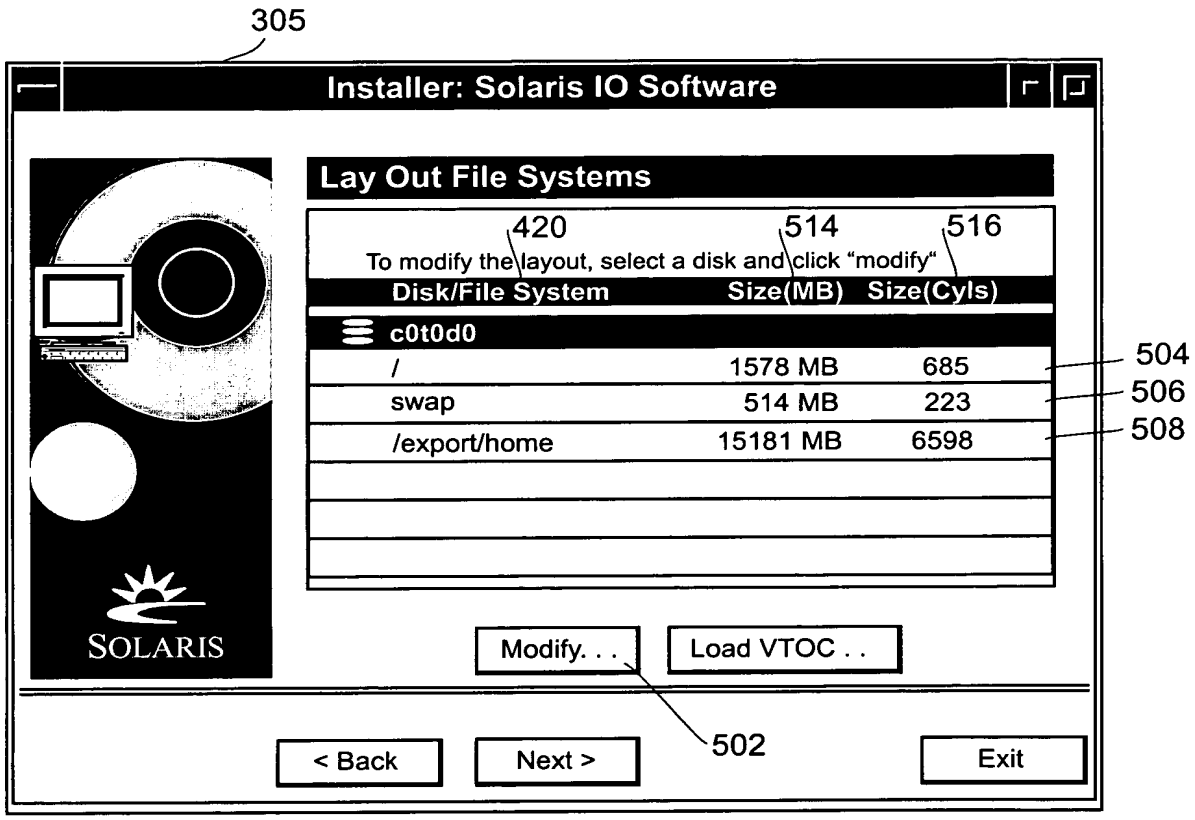
305
Installer: Solaris IO Software
Lay Out File Systems
420
514
516
To modify the layout, select a disk and click "modify"
Disk/File System
Size(MB)
Size(Cyls)
c0t0d0
/
1578 MB
685
swap
514 MB
223
/export/home
15181 MB
6598
504
506
508
SOLARIS
Modify. . .
Load VTOC . .
502
< Back
Next >
Exit

FIG. 5

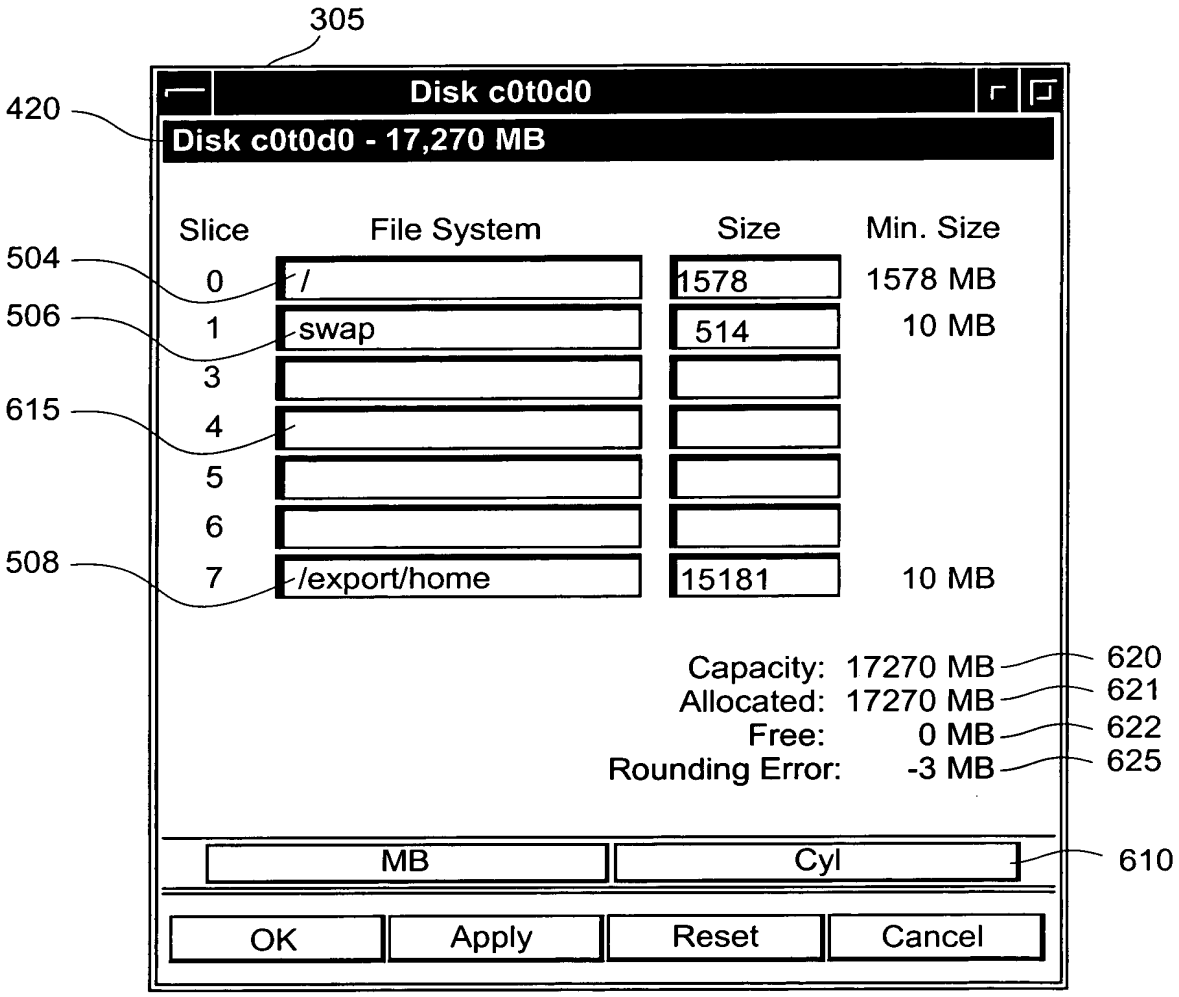
305
Disk c0t0d0
420
Disk c0t0d0 - 17,270 MB
Slice
File System
Size
Min. Size
504
0
/
1578
1578 MB
506
1
swap
514
10 MB
3
615
4
5
6
508
7
/export/home
15181
10 MB
Capacity: 17270 MB
620
Allocated: 17270 MB
621
Free: 0 MB
622
Rounding Error: -3 MB
625
MB
Cyl
610
OK
Apply
Reset
Cancel

FIG. 6

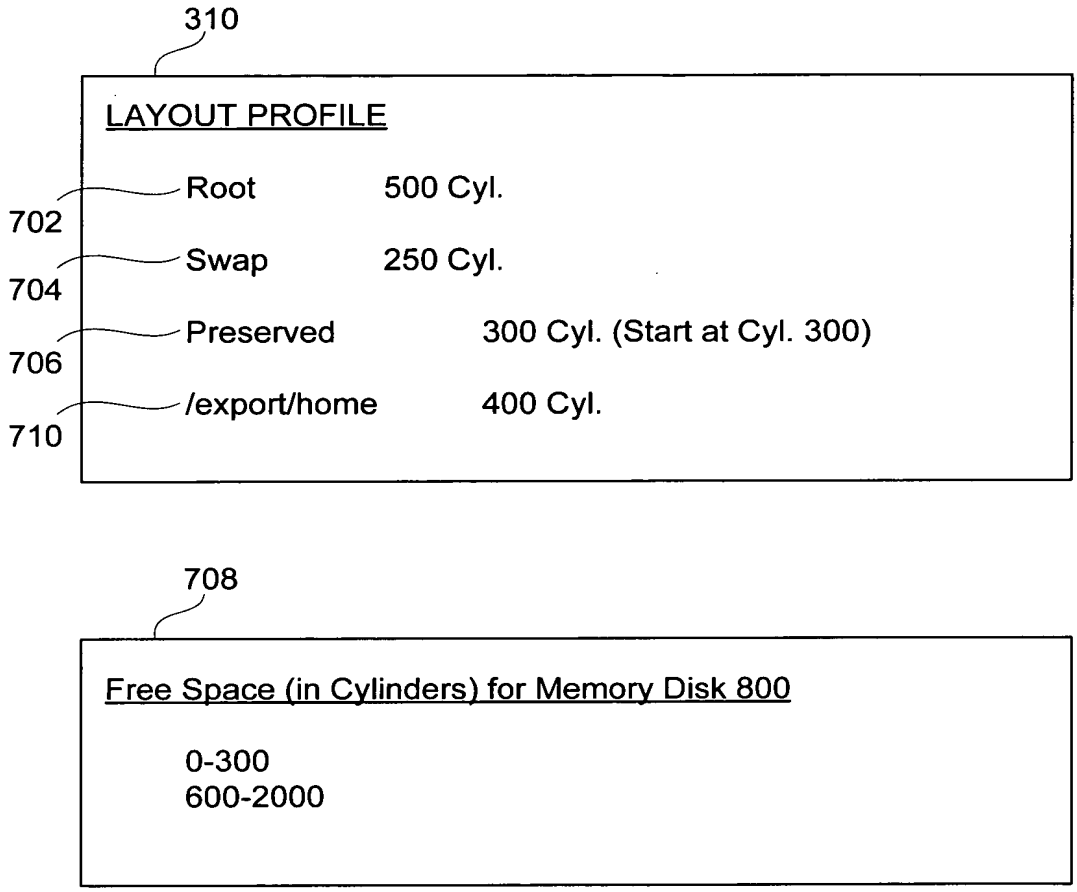
310
LAYOUT PROFILE
Root 500 Cyl.
702
Swap 250 Cyl.
704
Preserved 300 Cyl. (Start at Cyl. 300)
706
/export/home 400 Cyl.
710
708
Free Space (in Cylinders) for Memory Disk 800
0-300
600-2000

FIG. 7

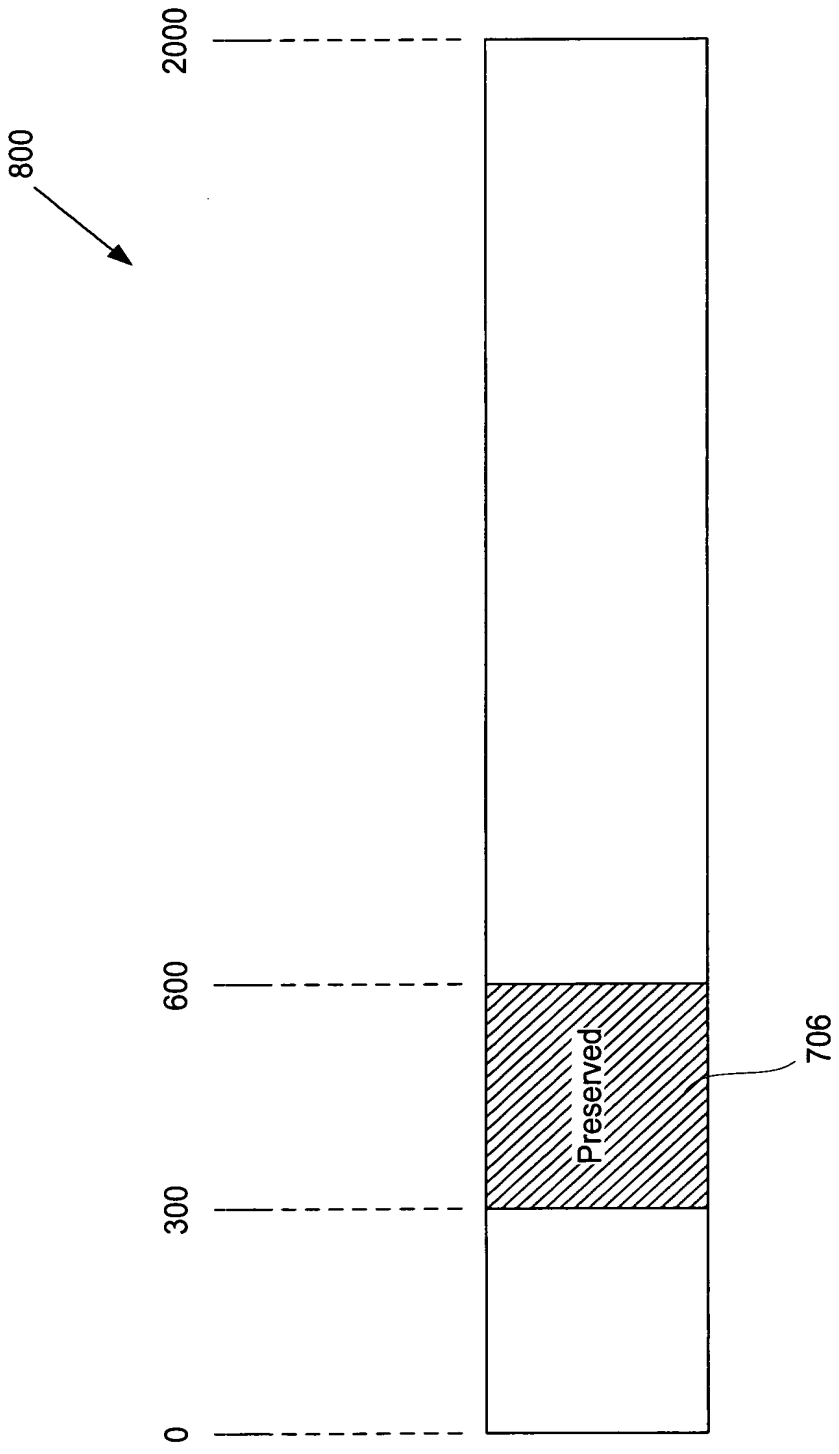

FIG. 8A

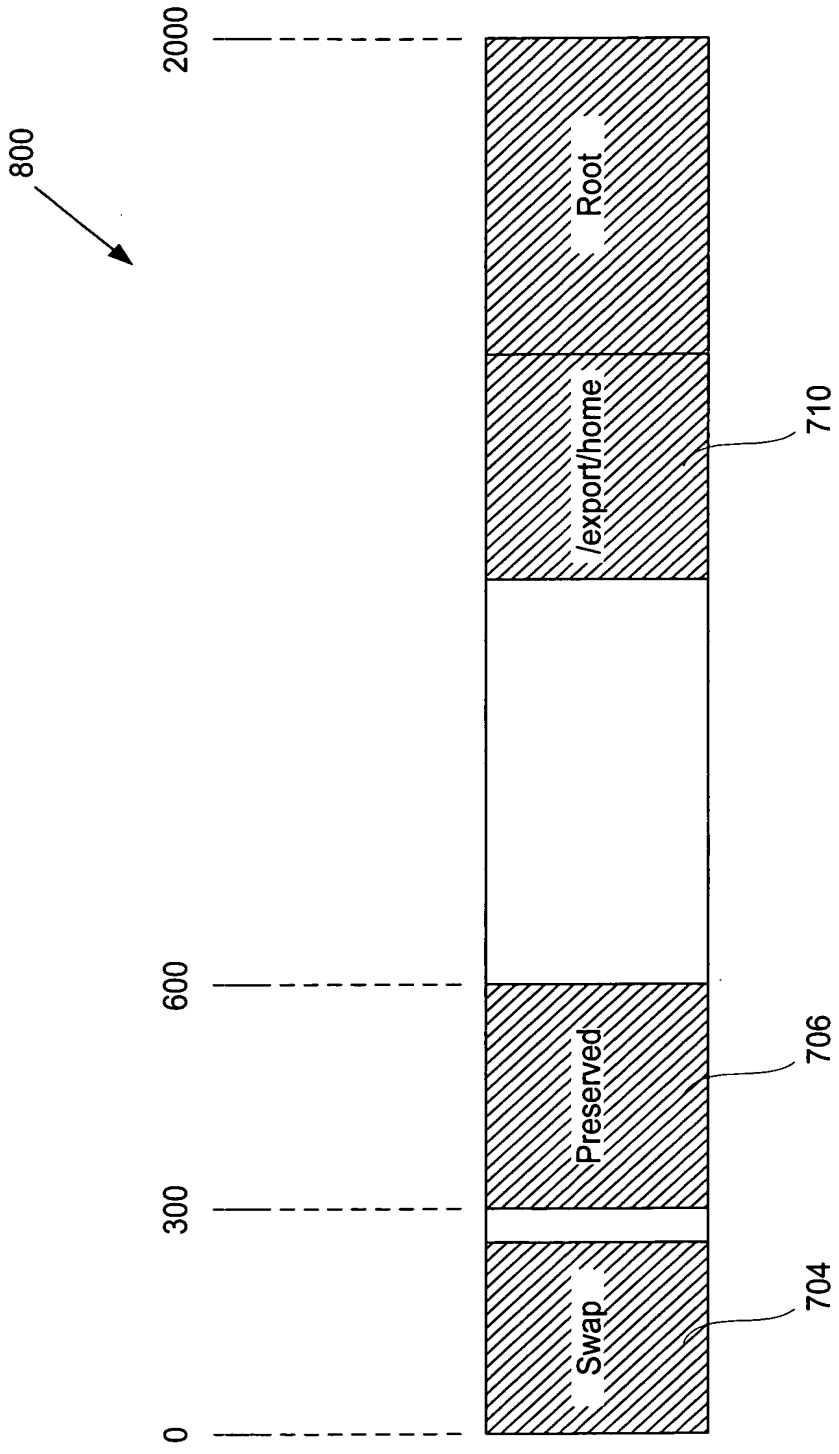
800
2000
600
300
0
Root
/export/home
Preserved
Swap
710
706
704

FIG. 8B

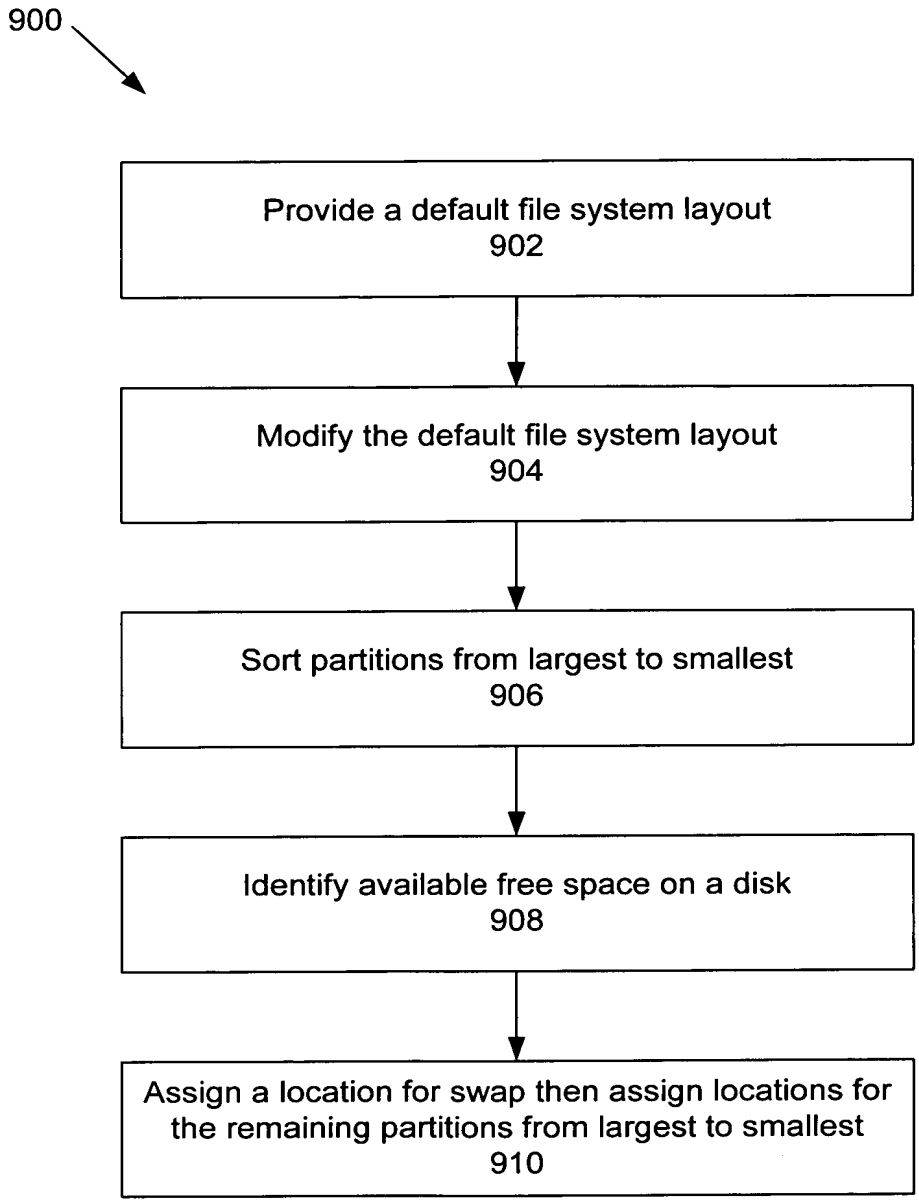
900
Provide a default file system layout
902
Modify the default file system layout
904
Sort partitions from largest to smallest
906
Identify available free space on a disk
908
Assign a location for swap then assign locations for the remaining partitions from largest to smallest
910

FIG. 9